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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

QC ABSTRACT

NAME OF WORK: Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
7	Precast (250mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	RCC(M20)	Compressive Strength(7days and 28days)	6 set /101-150 cum	108.82	12	12
9	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	11 set /351-400 cum	352.47	22	22

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2021-08-30-48 **Date: 21-06-21**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor, Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045
Customer's Reference	:	BBMP/EE/YNK D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-06-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification, IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	19-06-21
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.95	–
2	Finess by Air permeablity method (m^2/kg,Min)	285.4	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	145 minutes	Not less than 30 minutes
6	Final Setting time	240 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

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AE-02

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Authorized Signatory
Quality Manager

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2021-08-30-48** **Date: 21-06-21**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	18-06-21
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	18-06-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	244	244	1.6	98.4	90-100
3	20 mm	5432	5676	37.8	62.2	30-70
4	10 mm	4332	10008	66.7	33.3	10-35
5	4.75 mm	4654	14662	97.7	2.3	0-5
6	Pan	338	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2021-08-30-48** **Date: 21-06-21**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-06-21
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	18-06-21

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SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	245	245	4.9	95.1	90-100
3	10 mm	2560	2805	56.1	43.9	25-55
4	4.75 mm	2033	4838	96.8	3.2	0-10
5	Pan	162	5000	100	0	-

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2021-08-30-48** **Date: 21-06-21**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-06-21
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	18-06-21
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	27	27	2.7	97.3	90-100	90-100	90-100	95-100
3	2.36 mm	55	82	8.2	91.8	60-95	75-100	85-100	95-100
4	1.18 mm	239	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	205	526	52.6	47.4	15-34	35-59	60-79	80-100
6	300 micron	203	729	72.9	27.1	5-20	8-30	12-40	15-50
7	150 micron	191	920	92.0	8.0	0-10	0-10	0-10	0-15
8	Pan	80	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2021-08-30-48** **Date: 19-06-21**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	18-06-21
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test	:	18-06-21

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SLNo	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

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TEST REPORT OF PRECAST COVER SLAB

Date: 26-06-21

Lab ID	:	CP-2021-08-30-48
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-06-21
Sample Type /Size	:	Precast Cover Slab (250mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	22-06-21

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	200.51	250.48	3.526	31570	550.6	17.4	16.2	20.3
2	Cover Slab-2	200.63	250.63	3.632	31608	552.6	17.5	16.3	20.3
3	Cover Slab-3	200.56	250.42	3.256	31586	560.2	17.7	16.5	20.6

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 26/07/2021

Lab ID	:	CP-2021-08-30-48
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	30-06-21
Customer ID	:	Drain Bottom slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	26/07/2021

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom slab Concrete	M20	28/06/2021	26/07/2021	149.09 X 151.73 X 150.38	22621	8.834	526.2	23.3	23.0
2	Drain Bottom slab Concrete	M20	28/06/2021	26/07/2021	149.42 X 150.23 X 151.93	22447	8.350	502.7	22.4	
3	Drain Bottom slab Concrete	M20	28/06/2021	26/07/2021	151.91 X 151.94 X 151.18	23082	8.729	538.1	23.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 29/07/2021

Lab ID	:	CP-2021-08-30-48
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-07-21
Customer ID	:	Drain Side wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side wall Concrete	M20	01/07/2021	29/07/2021	151.71 X 149.06 X 151.57	22614	8.957	532.4	23.5	22.9
2	Drain Side wall Concrete	M20	01/07/2021	29/07/2021	151.39 X 149.18 X 151.94	22584	8.205	498.3	22.1	
3	Drain Side wall Concrete	M20	01/07/2021	29/07/2021	150.44 X 151.19 X 150.51	22745	9.000	524.6	23.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/08/2021

Lab ID	:	CP-2021-08-30-48
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-07-21
Customer ID	:	Culvert Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/08/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Culvert Bottom Slab Concrete	M20	05/07/2021	02/08/2021	149.29 X 149.24 X 150.71	22279	9.077	532.6	23.9	23.3
2	Culvert Bottom Slab Concrete	M20	05/07/2021	02/08/2021	150.76 X 150.94 X 151.64	22755	8.771	505.0	22.2	
3	Culvert Bottom Slab Concrete	M20	05/07/2021	02/08/2021	149.53 X 150.80 X 149.51	22548	8.417	536.5	23.8	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 05/08/2021

Lab ID	:	CP-2021-08-30-48
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-21
Customer ID	:	Culvert Side wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/08/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	Culvert Side wall Concrete	M20	08/07/2021	05/08/2021	151.88 X 150.39 X 149.08	22841	8.634	541.4	23.7	23.4
2	Culvert Side wall Concrete	M20	08/07/2021	05/08/2021	150.51 X 149.94 X 151.15	22567	8.507	508.0	22.5	
3	Culvert Side wall Concrete	M20	08/07/2021	05/08/2021	150.69 X 151.94 X 149.43	22896	8.872	548.9	24.0	

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KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 22/07/2021

Lab ID	:	CP-2021-08-30-48
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	17-07-21
Customer ID	:	Bed Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Bed Concrete	M20	15/07/2021	22/07/2021	149.36 X 151.53 X 151.89	22632	8.261	417.8	18.5	18.4
2	Bed Concrete	M20	15/07/2021	22/07/2021	150.71 X 151.32 X 149.34	22805	8.830	427.4	18.7	
3	Bed Concrete	M20	15/07/2021	22/07/2021	149.43 X 149.43 X 151.44	22330	8.526	404.0	18.1	

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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-08-30-48
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-08-21
Customer ID	:	Cement Concrete Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/08/2021

Date: 07/08/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavements	M30	31/07/2021	07/08/2021	149.07 X 149.48 X 150.73	22284	8.429	573.7	25.7	25.7
2	Cement Concrete Pavements	M30	31/07/2021	07/08/2021	149.06 X 149.35 X 151.84	22262	8.440	591.6	26.6	
3	Cement Concrete Pavements	M30	31/07/2021	07/08/2021	150.26 X 149.47 X 151.13	22458	9.059	557.5	24.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 30/08/2021

Lab ID	:	CP-2021-08-30-48
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-08-21
Customer ID	:	Cement Concrete Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	30/08/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavements	M30	02/08/2021	30/08/2021	150.26 X 149.51 X 151.82	22465	8.283	761.3	33.9	33.3
2	Cement Concrete Pavements	M30	02/08/2021	30/08/2021	151.28 X 149.75 X 150.48	22654	8.385	738.9	32.6	
3	Cement Concrete Pavements	M30	02/08/2021	30/08/2021	150.65 X 151.18 X 150.08	22776	8.956	763.6	33.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-08-30-48** **Date: 10/08/2021**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society. Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-08-21
Customer ID	:	Cement Concrete Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/08/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	Cement Concrete Pavements	M30	03/08/2021	10/08/2021	151.99 X 151.94 X 149.48	23094	8.566	589.5	25.5	25.6
	Cement Concrete Pavements	M30	03/08/2021	10/08/2021	151.69 X 149.27 X 151.30	22644	8.957	607.4	26.8	
3	Cement Concrete Pavements	M30	03/08/2021	10/08/2021	151.80 X 151.86 X 151.49	23051	8.904	560.5	24.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-08-30-48** **Date: 31/08/2021**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Roads and Drains at Kote Bheedi in Chowdeshwari Ward No.02
Agency	:	Sri.K.lakshmi Narayana Reddy, S/o Krishna Patalappa, #688, 1st Floor , Vyalikaval Society, Near Chaitanya Techno School, Veeranapalya, Bangalore-560045.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/20/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-08-21
Customer ID	:	Cement Concrete Pavements
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/08/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavements	M30	03/08/2021	31/08/2021	149.65 X 151.58 X 149.70	22683	8.274	768.8	33.9	33.2
2	Cement Concrete Pavements	M30	03/08/2021	31/08/2021	150.50 X 151.09 X 151.96	22740	8.332	734.3	32.3	
3	Cement Concrete Pavements	M30	03/08/2021	31/08/2021	150.09 X 150.42 X 151.48	22577	8.375	753.5	33.4	

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